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TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD

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ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

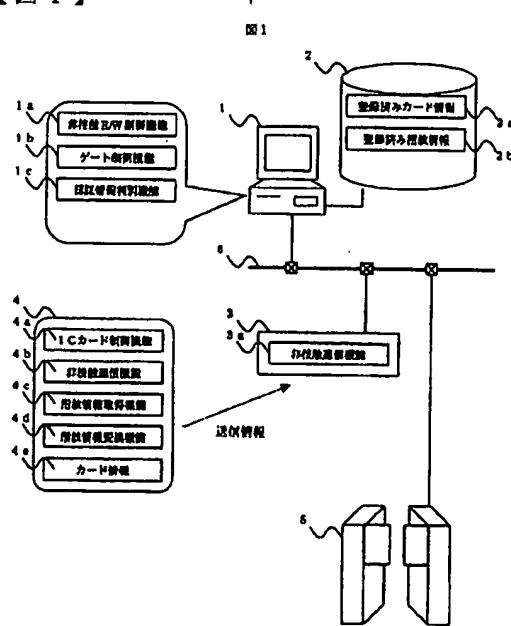
SOLUTION: The card information of IC cards each of non-contact type and the fingerprint information of a true owner of the IC card has been registered in a database 2 as registered card information 2a and registered fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the card information 4e has been registered as the registered information 2a or not to authenticate the IC card 4, and when the IC card 4 is authenticated, confirms whether the fingerprint information has been registered as the fingerprint information 2b or not to authenticate the card user.

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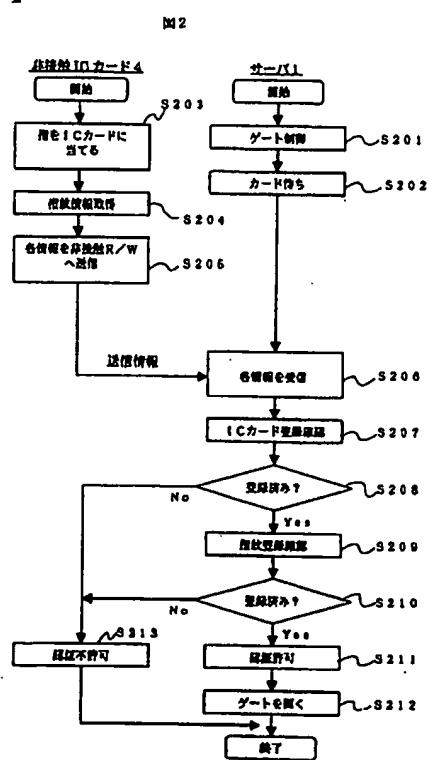
5 ゲート  
 6 ネットワーク  
 7 POS端末  
 7 a 電子マネー処理機能  
 8 I Cカード読み書き装置  
 8 a 指紋情報取得機能  
 8 b 指紋情報変換機能  
 8 c I Cカード通信機能  
 8 d 非接触通信機能  
 9 接触I Cカード  
 9 a I Cカード制御機能  
 9 b カード情報  
 9 c 接触通信機能

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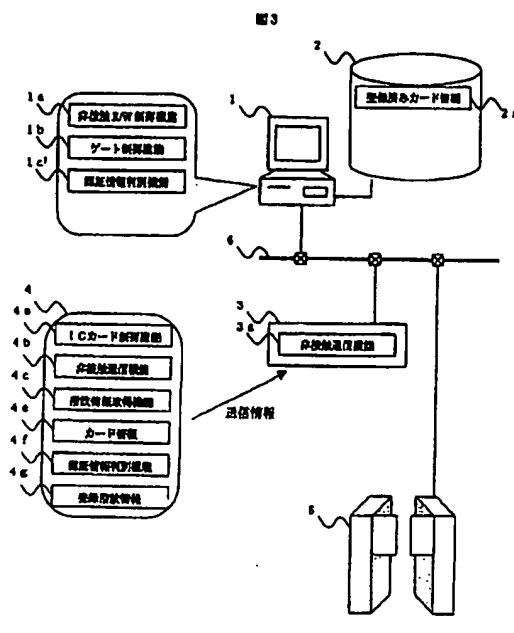
【図1】



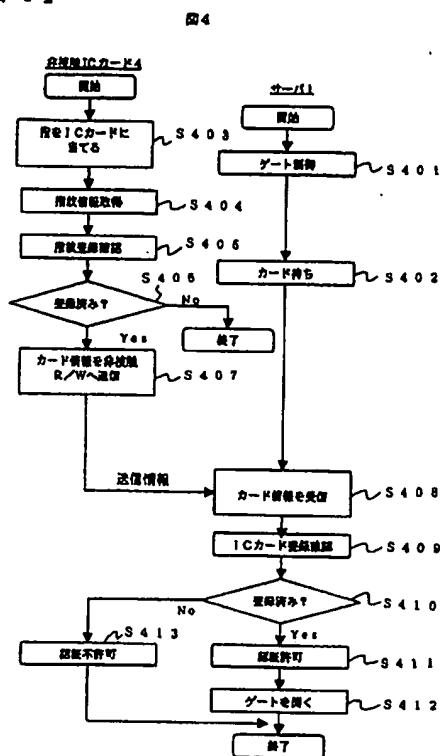
【図2】



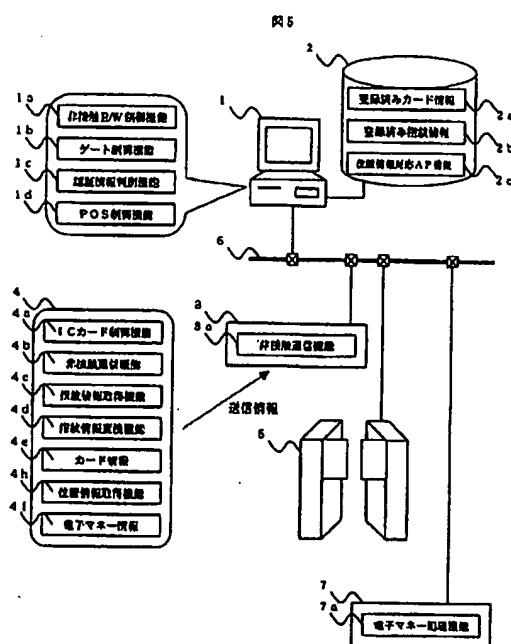
【図 3】



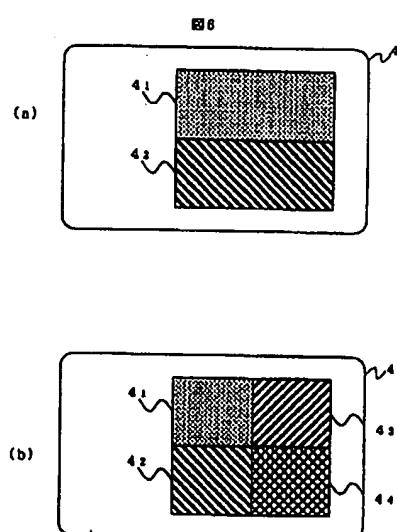
【図 4】



【図 5】

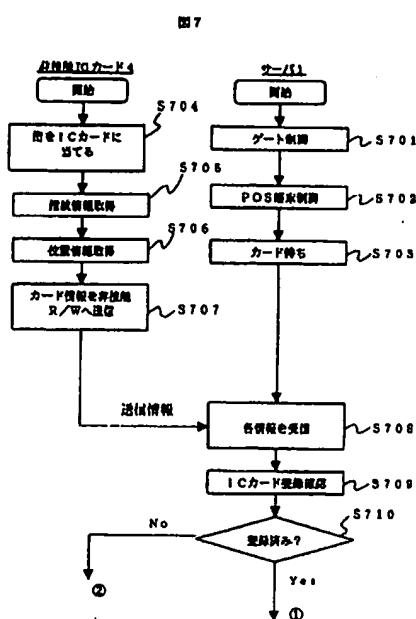


【図 6】

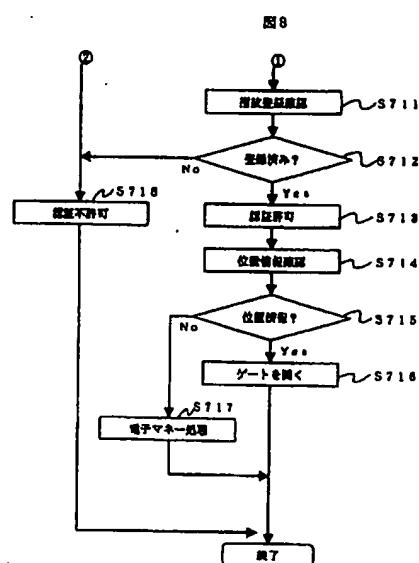


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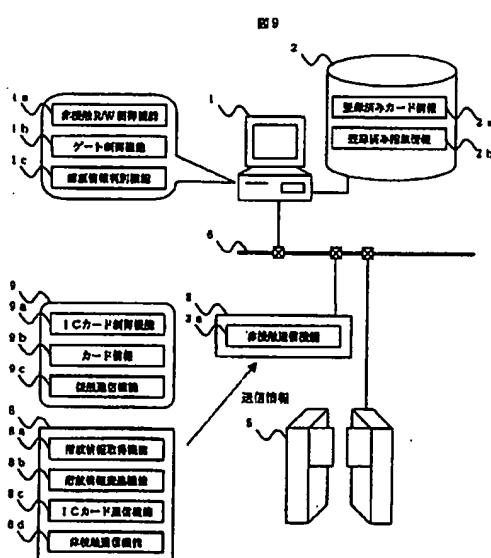
【図 7】



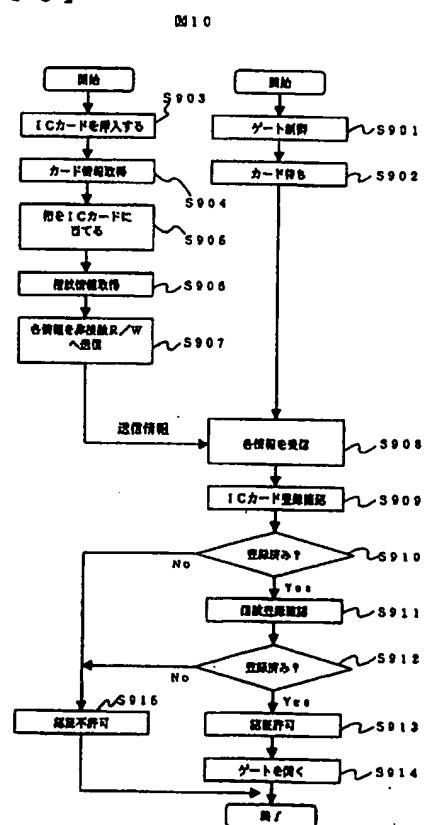
【図 8】



【図 9】



【図 10】



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(51) Int. Cl. <sup>7</sup>

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